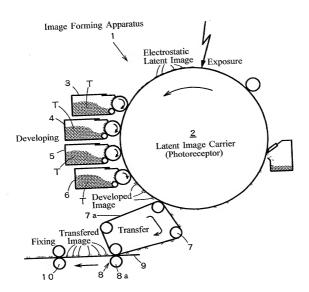
TOYAMA Q67628 TONER AND IMAGE FORMING APPARATUS USING THE SAME FILED: December 6, 2001 Darryl Mexic (202) 293-7060 1 OF 9

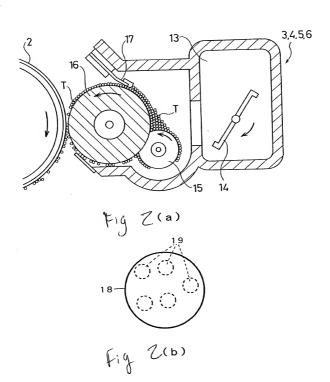
FIG. 1



10 mm + 10 mm + 10 mm

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FIG. 2

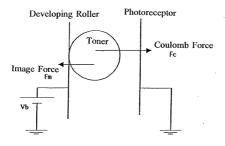


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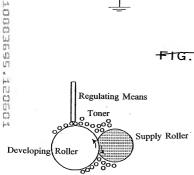
3 OF 9

FIG. 3



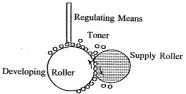


F1G. 4



Residual toner particles are peeled off so as to always allow the supply of new toner.

Fig 4(a)



Because image force is so large, residual toner particles can not be completely peeled off not to allow the supply of new toner, thereby increasing the amount of charge.

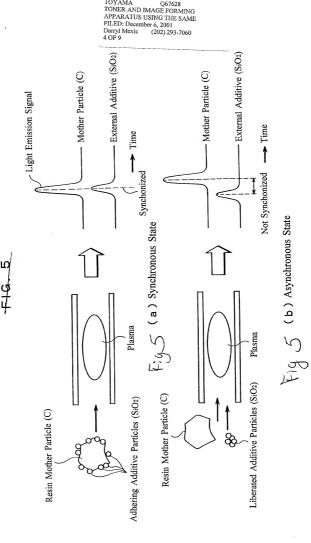


FIG. 6

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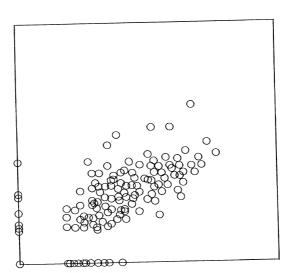
Equivalent Prticle of Additive Particles of Mother Particle Equivalent Prticle Adhering Additive Particles Mother Particle-

Equivalent Prticle of Liberted Additive Particles

Liberated Additive Particles

TOYAMA Q67628
TONER AND IMAGE FORMING
APPARATUS USING THE SAME
FILED: December 6, 2001
Darryl Mexic (202) 293-7060
6 OF 9

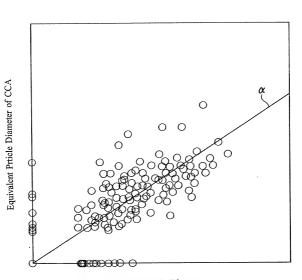
FIG. 7



Equivalent Prticle Diameter of Mother Particles (C)

TOYAMA Q67628
TONER AND IMAGE FORMING
APPARATUS USING THE SAME
FILED: December 6, 2001
Darryl Mexic (202) 293-7060
7 OF 9

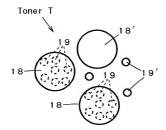
FIG. 8



Equivalent Prticle Diameter of Mother Particles (C)

TOYAMA Q67628 TONER AND IMAGE FORMING APPARATUS USING THE SAME FILED: December 6, 2001 Darryl Mexic (202) 293-7060 8 OF 9

FIG. 9



TOYAMA Q67628
TONER AND IMAGE FORMING
APPARATUS USING THE SAME
FILED: December 6, 2001
Darryl Mexic (202) 293-7060
9 OF 9

EIG. 10

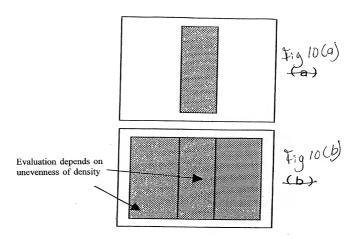


FIG. 11



Fig 11 (a)



Fig 11 (b)